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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/620,732	07/16/2003	Michael Weiland	N0169 US	9034

37583 7590 06/27/2006

NAVTEQ NORTH AMERICA, LLC  
222 MERCHANDISE MART  
SUITE 900, PATENT DEPT.  
CHICAGO, IL 60654

EXAMINER

TO, TUAN C

ART UNIT	PAPER NUMBER
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3663

DATE MAILED: 06/27/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

10/620,732

**Applicant(s)**

WEILAND ET AL.

**Examiner**

Tuan C. To

**Art Unit**

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 25 April 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) 13 and 22-28 is/are withdrawn from consideration.
- 5) ☒ Claim(s) 17-21 is/are allowed.
- 6) ☒ Claim(s) 1,6,7,12,14 and 16 is/are rejected.
- 7) ☒ Claim(s) 2-5,8-11 and 15 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 16 July 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Election/Restrictions***

Applicant's election with traverse of claims 1-12, and 14-21 upon the elected invention I, species Ib in the reply filed on 08/17/2005 is acknowledged. The traversal is on the ground(s) that the restriction requirement is not proper. This is not found persuasive because the following:

Group I is drawn to a process and group II is drawn to a product. Because the the product as claimed can be used in a process of providing route calculation or destination selection (see background section of specification), it shows to meet the condition (2) as set forth in paragraph 3 of the restriction requirement (see also MPEP 806.054(h)).

The requirement is still deemed proper and is therefore made FINAL.

An action on claims 1-12, and 14-21 follows:

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

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Claims 1, 6, 7, 12, 14, and 16 are rejected under 35 U.S.C. 102(a) as being anticipated by Casino (US 6850841B1).

With respect to claim 1, the US reference to Casino discloses a method and system for obtaining lane data, comprising the step of storing the data that represent road lane in a geographic database (30). Referring to figure 3, each road segment data record (34) associates with the information such as attributes, fields that describes features of the represented road segment (Casino, column 3, lines 35-41). Each road segment has been associated with two nodes (22), one node represents the start and another node represents the end of the road segment (Casino, column 2, lines 52-67, column 3, lines 1-5). ). Thus, the teachings of Casino read on the limitation “associating with reach data representation of a physical road lane data indicating start and end points of the represented physical road lane. Casino further discloses that the physical features such as lane (218) is adjacent to and extend along the physical road lane (220) from the left, and the median (222) is adjacent to and extend along the physical road lane (220) from the right (Casino, figure 14). Thus, the teachings of Casino read on the limitation: “data indicating what linearly extending physical features are adjacent to and extend along the represented physical road lane on a right and a left side”.

With regard to claim 6, Casino shows a multi-lane road segment, in which the shoulder, stayed in between the center line (48) and lane (44), is a physical feature which is adjacent and extend along the road lane (44).

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With regard to claim 7, Casino shows a multi-lane road segment, in which the shoulder, stayed in between the center line (48) and lane (44), is a physical feature which is adjacent and extend along the road lane (44). It should be noted that the mentioned shoulder located on the left side of lane (44) could be a driver surface, where the emergency vehicle can drive on.

With regard to claims 12 and 14, Casino teaches that the data representation of a physical road lane indicates a geometry of the physical road lane (Casino, figure 3, 34(5)(2), 34(5)(3).).

With regard to claim 16, Casino shows a multi-lane road segment in figure 4, including lanes of full width, and lanes are less than full width. The lanes, which are less than full width, are the emergency lanes (or shoulder) which is less than full width.

### ***Allowable Subject Matter***

Claims 17-21 are allowable.

Claims 2-5, 8-11, and 15 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

### ***Conclusions***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan C To whose telephone number is (571) 272-6985. The examiner can normally be reached on from 8:00AM to 5:00PM.

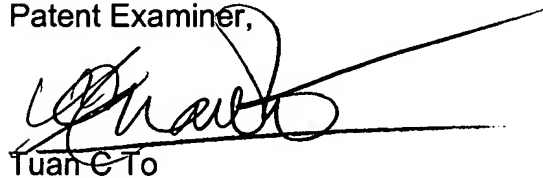
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack Keith can be reached on 571-272-6878.

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The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Patent Examiner,

A handwritten signature in black ink, appearing to read 'Tuan C To', is written over a horizontal line.

Tuan C To

June 20, 2006